

## CLAIMS

1. A key system, comprising:

an information device (11, 21) including a first LED (14, 24) responsible for  
5 receipt of data and a first controller (12, 22); and

a key device (1) including a second LED (4) responsible for transmission of  
data, a storage part (3) for storing key information to said information device, and a  
second controller (2) for controlling the operation of said second LED,

said second controller in said key device causing said second LED to send said  
10 key information stored in said storage part,

said first LED in said information device receiving said key information sent  
from said second LED, and

said first controller in said information device at least either locking said  
information device or releasing a lock of said information device based on said key  
15 information received by said first LED.

2. The key system according to claim 1, wherein said information device is any  
one of a cellular phone, a personal computer or a PDA.

20 3. The key system according to claim 1, wherein said key device (1) is  
incorporated into a portable information device (11).

4. A key device (1) for use in a key system in which data is transmitted between  
said key device and an information device (11, 21) through LEDs, said key system  
25 comprising said key device, and said information device that is either locked or released

from a lock by said key device, said key device comprising:

an LED (4) responsible for transmission of data;

a storage part (3) for storing key information to said information device; and

a controller (2) for controlling the operation of said LED, and

5        said controller causing said LED to send said key information stored in said storage part.

5. The key device (1) according to claim 4, wherein said key device is incorporated into a portable information device (11).

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6. An information device (11, 21) for use in a key system in which data is transmitted between a key device (1) and said information device through LEDs, said key system comprising said key device, and said information device that is either locked or released from a lock by said key device, said information device comprising:

15        an LED (14, 24) responsible for receipt of data; and

a controller (12, 22),

said LED receiving key information to said information device sent from said key device, and

20        said controller at least either locking said information device or releasing a lock of said information device based on said key information received by said LED.

7. The information device according to claim 6, wherein said information device is any one of a cellular phone, a personal computer or a PDA.